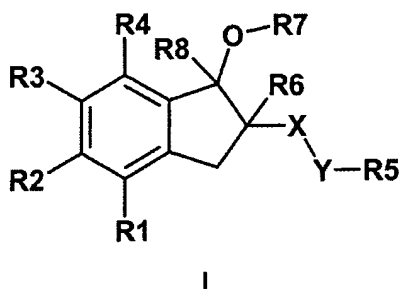


**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claim 1. (Currently amended). A compound of the formula I,



in which

R1, R2, R3, R4, independently of one another, are H, F, Cl, Br, I, ON, N<sub>3</sub>, NO<sub>2</sub>, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CH<sub>2</sub>-phenyl, O-phenyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals up to seven hydrogen atoms may be replaced by fluorine; S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals up to seven hydrogen atoms may be replaced by fluorine; NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

SO<sub>3</sub>H, SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;  
SO<sub>2</sub>-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;  
NH-SO<sub>2</sub>-NH<sub>2</sub>, NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;  
O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, COO(C<sub>1</sub>-C<sub>8</sub>)-alkyl,  
CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-  
N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;  
(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, (C<sub>2</sub>-C<sub>8</sub>)-alkenyl, or (C<sub>2</sub>-C<sub>8</sub>)-alkynyl,  
where in the alkyl, alkenyl, and alkynyl groups one to seven hydrogen  
atoms may be replaced by fluorine;  
or one hydrogen may be replaced by OH, OC(O)CH<sub>3</sub>, O-CH<sub>2</sub>-Ph,  
NH<sub>2</sub>, NH-CO-CH<sub>3</sub> or N(COOCH<sub>2</sub>Ph)<sub>2</sub>  
phenyl, 1- or 2-naphthyl,  
**5-tetrazolyl, 1-[(C<sub>1</sub>-C<sub>6</sub>)-alkyl]-5-tetrazolyl, 2-[(C<sub>1</sub>-C<sub>6</sub>)-alkyl]-5-tetrazolyl,**  
**1-imidazolyl,**  
**1-or 4-[1,2,4]-triazolyl,**  
**2-or 3-thienyl,**  
**2-or 3-furyl,**  
**2,3-or 4-pyridyl,**  
**2,4-or 5-oxazolyl,**  
**3,4-or 5-isoxazolyl,**  
**2,4-or 5-thiazolyl,**  
**3,4-or 5-isothiazolyl,**  
where the aryl radical ~~or heterocycle~~ may be substituted up to two  
times by  
F, Cl, Br, CN,  
OH, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, CF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl,  
S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>6</sub>)-alkyl, NH<sub>2</sub>, NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>4</sub>)-alkyl;  
COOH, CO-O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, CO-NH<sub>2</sub> and where in the alkyl groups

one to seven hydrogen atoms may be replaced by fluorine; ~~or~~

~~R2 and R3 together form the radical -O-CH<sub>2</sub>-O-~~

X is ~~[[S,]]SO<sub>2</sub>~~, SO<sub>2</sub>;

Y is (CH<sub>2</sub>)<sub>p</sub>, where p may be 0, 1, 2 or 3;

R5 is (C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl,  
where in the alkyl groups up to seven hydrogen atoms may be  
replaced by fluorine;  
(CH<sub>2</sub>)<sub>1-6</sub>-COOH, (CH<sub>2</sub>)<sub>1-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>1-6</sub>-CONH<sub>2</sub>  
CH<sub>2</sub>-CH(NHR<sub>10</sub>)-COR<sub>11</sub>, where R<sub>10</sub> may be H or C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl  
and R<sub>11</sub> may be OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or NH<sub>2</sub>;

phenyl, 1- or 2-naphthyl, or biphenyl, ~~or a heterocyclic radical~~, where the  
rings or ring systems are in each case substituted up to three times  
by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-  
C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-  
C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-  
C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-  
C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-  
C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-  
cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-  
O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-  
alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;  
(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each

case one to seven hydrogen atoms may be replaced by fluorine;

R6 is  $(\text{CH}_2)_{0-6}\text{-R9}$ ,  $(\text{CH}_2)_{0-6}\text{-COOH}$ ,  $(\text{CH}_2)_{0-6}\text{-COO-(C}_1\text{-C}_6\text{)-alkyl}$ ,  $(\text{CH}_2)_{0-6}\text{-CONH}_2$ ,  $(\text{CH}_2)_{0-6}\text{-CH(NHR15)-COR16}$ , F, Cl, Br, CN,  $(\text{C}_1\text{-C}_{18})\text{-alkyl}$ ,  $(\text{C}_3\text{-C}_4)\text{-cycloalkyl}$ ,  $(\text{C}_6\text{-C}_8)\text{-cycloalkyl}$ , where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R15 is H,  $\text{C(O)-(C}_1\text{-C}_6\text{)-alkyl}$ ;

R16 is OH,  $\text{O-(C}_1\text{-C}_6\text{)-alkyl}$ ,  $\text{NH}_2$

R7 is  $(\text{CH}_2)_{0-4}\text{-R12}$ , H,  $(\text{C}_1\text{-C}_{12})\text{-alkyl}$ ,  $(\text{C}_3\text{-C}_4)\text{-cycloalkyl}$ ,  $(\text{C}_6\text{-C}_8)\text{-cycloalkyl}$ ,  $\text{COO(C}_1\text{-C}_6\text{)-alkyl}$ ,  $\text{COO(C}_3\text{-C}_8\text{)-cycloalkyl}$ , where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R8 is  $(\text{CH}_2)_{0-4}\text{-R14}$ ,  $(\text{C}_1\text{-C}_{12})\text{-alkyl}$ ,  $(\text{C}_3\text{-C}_4)\text{-cycloalkyl}$ ,  $(\text{C}_6\text{-C}_8)\text{-cycloalkyl}$ , where in the alkyl or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine atoms;

R9, R12, R14 independently of one another are

phenyl, 1- or 2-naphthyl, or biphenyl, ~~or a heterocyclic radical~~, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH,  $\text{O(C}_1\text{-C}_8\text{)-alkyl}$ ,  $\text{O(C}_3\text{-C}_8\text{)-cycloalkyl}$ ,  $\text{O-CO-(C}_1\text{-C}_8\text{)-alkyl}$ ,  $\text{O-CO-(C}_3\text{-C}_8\text{)-cycloalkyl}$ ,  $\text{S(O)}_{0-2}\text{(C}_1\text{-C}_8\text{)-alkyl}$ ,  $\text{S(O)}_{0-2}\text{(C}_3\text{-C}_8\text{)-cycloalkyl}$ ,  $\text{NH}_2$ ,  $\text{NH-(C}_1\text{-C}_8\text{)-alkyl}$ ,  $\text{NH-(C}_3\text{-C}_8\text{)-cycloalkyl}$ ,  $\text{N}[(\text{C}_1\text{-C}_8\text{)-alkyl}]_2$ ,  $\text{N}[(\text{C}_3\text{-C}_8\text{)-cycloalkyl}]_2$ ,  $\text{NH-CO-(C}_1\text{-C}_8\text{)-alkyl}$ ,  $\text{NH-CO-(C}_3\text{-C}_8\text{)-cycloalkyl}$

C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;  
(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

Claim 2. (Currently amended). A compound of the formula I as claimed in claim 1 in which

R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, independently of one another, are H, F, Cl, Br, N<sub>3</sub>, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, or (C<sub>1</sub>-C<sub>8</sub>)-alkyl and where in the alkyl groups one to seven hydrogen atoms may be replaced by fluorine;

where in each case at least one of the radicals R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> is different from hydrogen;

X is ~~[[S,]]SO<sub>2</sub>, or SO<sub>2</sub>~~;

Y is (CH<sub>2</sub>)<sub>p</sub>, where p may be 0, 1, 2, or 3;

R<sub>5</sub> is (C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups up to seven hydrogen atoms may be replaced by fluorine;  
(CH<sub>2</sub>)<sub>1-6</sub>-COOH, (CH<sub>2</sub>)<sub>1-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>1-6</sub>-CONH<sub>2</sub>  
CH<sub>2</sub>-CH(NHR<sub>10</sub>)-COR<sub>11</sub>, where R<sub>10</sub> may be H or C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl

and R11 may be OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or NH<sub>2</sub>;

**[[P]]**phenyl, 1- or 2-naphthyl, or biphenyl, ~~or a heterocyclic radical~~, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

R6 (CH<sub>2</sub>)<sub>0-6</sub>-R9, (CH<sub>2</sub>)<sub>0-6</sub>-COOH, (CH<sub>2</sub>)<sub>0-6</sub>-COO-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (CH<sub>2</sub>)<sub>0-6</sub>-CONH<sub>2</sub>, (CH<sub>2</sub>)<sub>0-6</sub>-CH(NHR15)-COR16, F, Cl, Br, CN, (C<sub>1</sub>-C<sub>18</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R15 is H, C(O)-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;

R16 is OH, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, NH<sub>2</sub>;

R7 is (CH<sub>2</sub>)<sub>0-4</sub>-R12, H, (C<sub>1</sub>-C<sub>12</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>)-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-

cycloalkyl, COO(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COO(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl radicals or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine;

R8 is (CH<sub>2</sub>)<sub>0-4</sub>-R14, (C<sub>1</sub>-C<sub>12</sub>)-alkyl, (C<sub>3</sub>-C<sub>4</sub>-cycloalkyl, (C<sub>6</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl or cycloalkyl radicals up to seven hydrogen atoms may be replaced by fluorine atoms;

R9, R12, R14 independently of one another are

phenyl, 1- or 2-naphthyl, or biphenyl, ~~or a heterocyclic radical~~, where the rings or ring systems are in each case substituted up to three times by

F, Cl, Br, I, CN, OH, O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, O-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, O-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, S(O)<sub>0-2</sub>(C<sub>1</sub>-C<sub>8</sub>)-alkyl, S(O)<sub>0-2</sub>(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH<sub>2</sub>, NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>, N[(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl]<sub>2</sub>, NH-CO-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-CO-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, SO<sub>3</sub>H; SO<sub>2</sub>-NH<sub>2</sub>, SO<sub>2</sub>-NH-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, SO<sub>2</sub>-NH-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, NH-SO<sub>2</sub>-NH<sub>2</sub>; NH-SO<sub>2</sub>-(C<sub>1</sub>-C<sub>8</sub>)-alkyl, NH-SO<sub>2</sub>-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl; O-CH<sub>2</sub>-COOH, O-CH<sub>2</sub>-CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, COOH, CO-O(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-O-(C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, CO-NH<sub>2</sub>, CO-NH(C<sub>1</sub>-C<sub>8</sub>)-alkyl, CO-N[(C<sub>1</sub>-C<sub>8</sub>)-alkyl]<sub>2</sub>;

(C<sub>1</sub>-C<sub>8</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, where in the alkyl groups in each case one to seven hydrogen atoms may be replaced by fluorine;

and its physiologically acceptable salts.

Claim 3 (canceled)

Claim 4. (original) A pharmaceutical composition comprising one or more compounds as claimed in claim 1 and a pharmaceutically acceptable carrier.

Claim 5. (original) The pharmaceutical composition according to claim 4, further comprising one or more active compounds for reducing weight in mammals.

Claim 6. (original) A method for reducing weight in mammals, comprising administering to said mammal a compound of formula I as claimed in claim 1.

Claim 7. (original) A method of treating obesity, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

Claim 8. (original) The method of claim 7, further comprising administering one or more active compounds for reducing weight in mammals.

Claims 9-10. (canceled)

Claim 11. (original) A method of maintaining weight loss, comprising administering to a subject in need thereof, an effective amount of a compound of formula I as claimed in claim 1.

Claim 12. (original) The method of claim 11, further comprising administering one or more active compounds for reducing weight in mammals.